INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/29744

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C23C 14/34, 16/00, 8/00; H01L 21/306; C23F 1/00 US CL : 204/192.12, 298.17, 298.23; 118/723R; 156/345.1; 216/67; 427/585 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 204/192.12, 298.17, 298.2, 298.23; 118/723R; 156/345.1; 216/67; 427/585			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	Relevant to claim No.	
X, P	US 2004/0155592 A1 (MADOCKS) 12 August 2004 (12.08.2004); see entire document		1-20
Х, Р	US 2004/0149574 A1 (MADOCKS) 05 August 2004 (05.08.2004), see entire document		1-20 -
X, P	US 2004/0135485 A1 (MADOCKS) 15 July 2004 (15.07.2004), see entire document		1-20
A, P	A, P US 2004/0110388 A1 (YAN et al) 10 June 2004 (10.06.2004), [0029]		1-20
A, P	A, P US 2004/0094402 A1 (GOPALRAJA et al) 20 May 2004 (20.05.2004), see entire document		1-20
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Further	documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is	
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in th	
"P" document published prior to the international filing date but later than the priority date claimed		*&* document member of the same patent	family
Date of the actual completion of the international search		Date of malling of the international sear 13 JAN 2005	ch report
03 January 2005 (03.01.2005) Name and mailing address of the ISA/US		Authorized officer	
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Form PCT/ISA/210 (second sheet) (January 2004)			